

Israel National Biometric Project

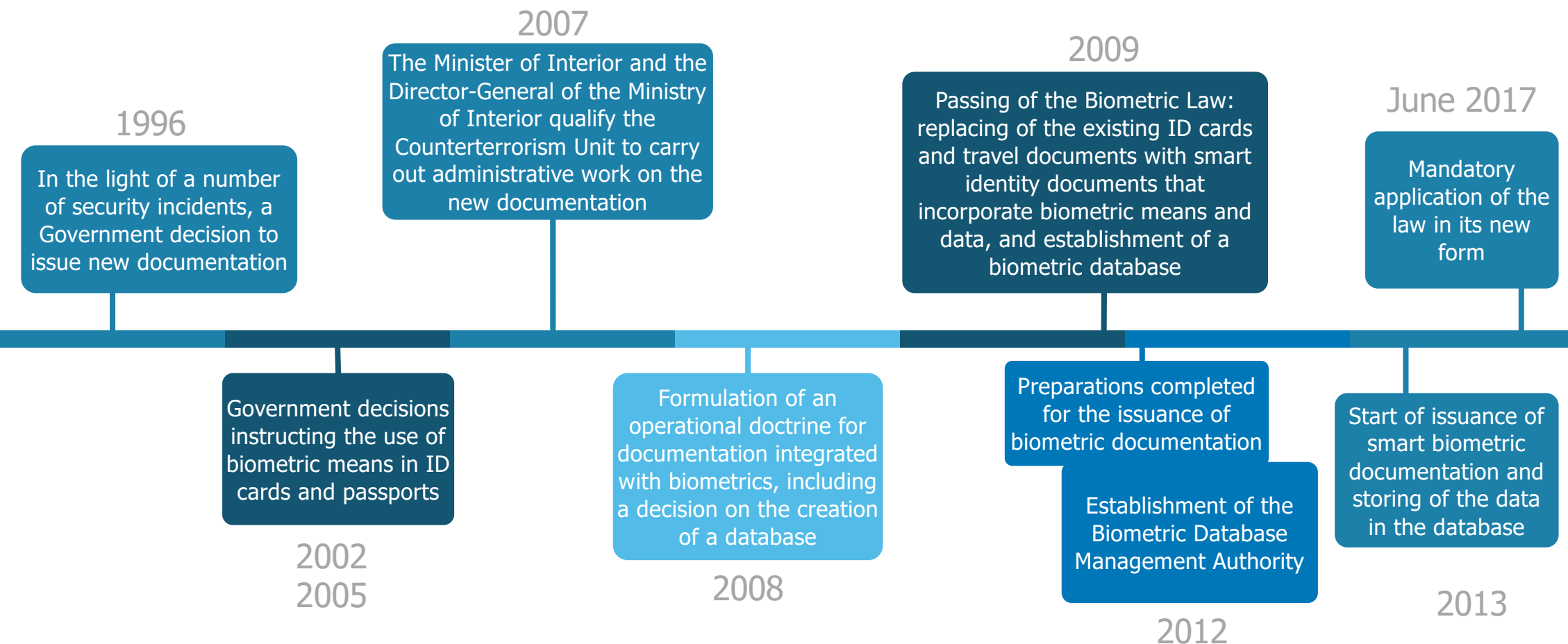
International Face of Standards and Technology
November 29, 2018

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**"And he said, Thy brother came with cunning
and has taken away thy blessing"**

[Genesis 27:35]

Project overview



Impersonation and identity theft

Compromises democracy: for example, the repeat elections in Beit Shemesh and Nazareth

Fraud: opening of bank accounts using a stolen identity and exploiting credit, National Insurance

Economic implications: selling of property such as cars and apartments, by impersonation

Crime: committing offenses by impersonating another

Security implications: entry into the country with a stolen identity – from the Territories/ Gaza/ other countries

Diplomatic implications: use of an Israeli passport with a stolen identity at international border crossings



The screenshot shows a news article from the Israeli newspaper 'הארץ' (Ha'aretz). The headline reads: **דיווחים בהודו: זוג איראני נעצר עם דרכונים ישראלים מזויפים** (Reports from India: An Iranian couple arrested with forged Israeli passports). The sub-headline states: **השניים נעצרו בשדה התעופה בצינאי שבדרום מזרח המדינה כשניסו לעלות על טיסה ללונדון. מחקירתם עולה כי ככל הנראה הם קיוו להיכנס לארצות הברית בעזרת הדרכונים** (The two were arrested at Ben Gurion Airport in southern Israel as they tried to board a flight to London. From their interrogation it emerges that they likely hoped to enter the United States using the passports).

The article text mentions that the couple, an Iranian man and woman, were arrested at Ben Gurion Airport. They were caught while attempting to board a flight to London. The article notes that they were carrying forged Israeli passports. The article also mentions that the couple was arrested by the Israeli Border Police. The article further states that the couple was arrested while attempting to board a flight to London. The article also mentions that the couple was carrying forged Israeli passports.

Forging of identity; not forging of documentation

The smart documentation provides protection of the highest standard against forgers



When forgers are unable to forge documentation, they will impersonate another individual in order to obtain a **“genuine” identity document under a false identity!**

Without the database, an individual could obtain multiple identity documents by deceit





רשות המאגר
הביומטרי הלאומי

The purpose of the biometric database



One identity per person

The biometric database makes it possible to treat identity documents as reliable and the person presenting the identity document as the owner of the true identity



Citizen choices

10 years
validity



2 FP



Face
Image



5 years
validity

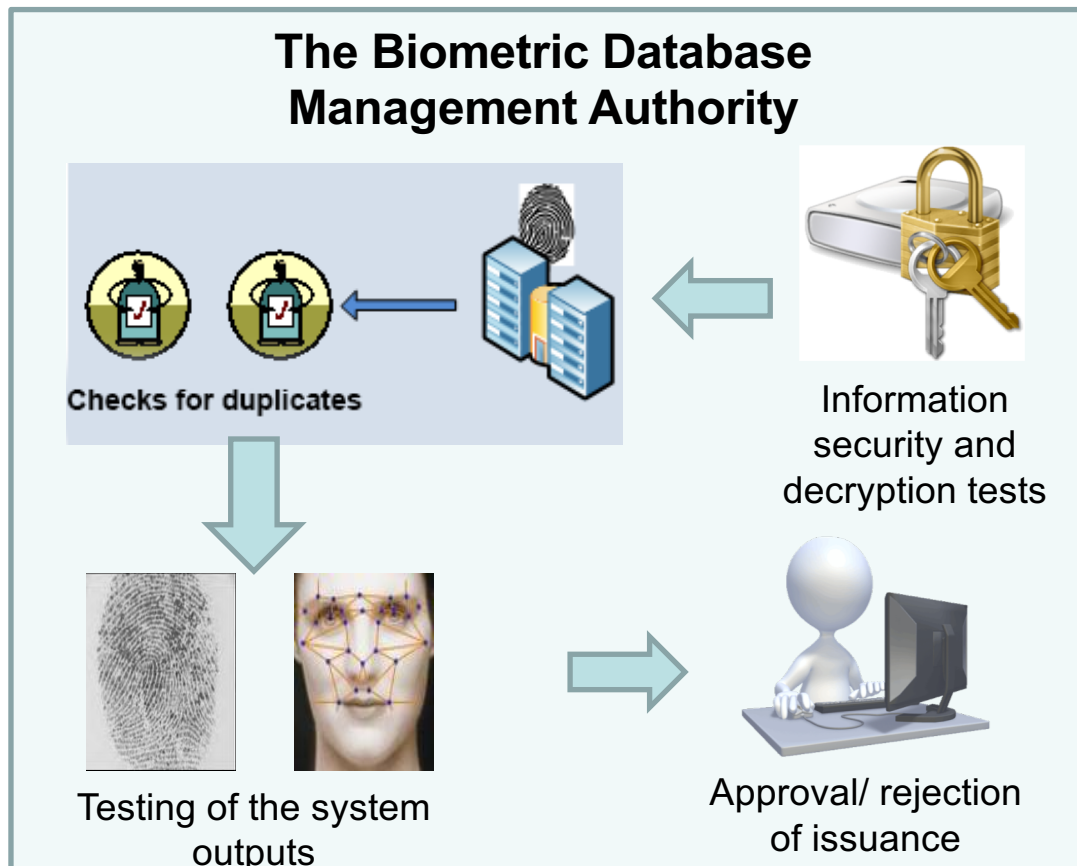


Face
Image

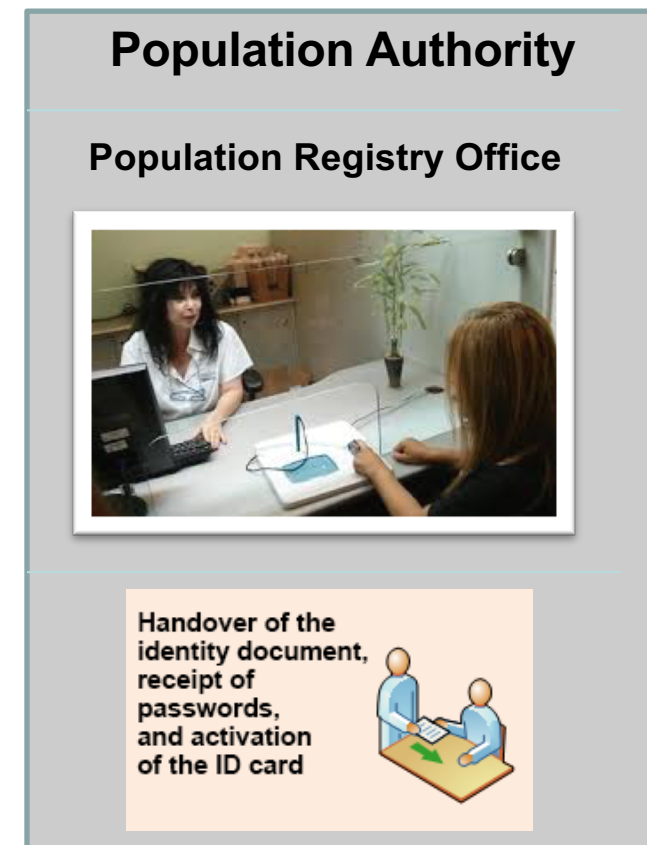
Israeli law
requirements :



The work process



←
One-way
channel



Privacy by Design (PbD)

31234567897

**Serial number
(not an ID number)**



**Facial
image**



**Two
fingerprints**

No ID number

No DNA

No information on bank accounts

No information on asset ownership

No information on criminal convictions

No biographical details, such as: name, telephone number, marital status, nationality, religion, gender, etc.

No information on parking tickets

No information on driver's license

No etc. etc.



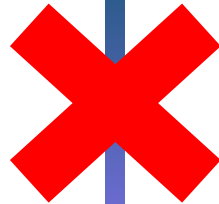
The database is air gapped

The biometric database

Managed by the Biometric Database Management Authority

- 2 fingerprints
- Facial image
- Encrypted identifying number

*The data is encrypted,
Means of access control,
authorizations, and
monitoring*



**The biometric database is
not linked to any
network**

- Full registry details
- ID numbers
- Biographical details
- Demographic details
- Entry and exit movements

Population Registry

Managed by the Population Authority

The status of the biometric project

Issuance of smart documentation to Israeli residents began July, 2013

The trial period (voluntary) lasted until June 2017

As of June 1, 2017 mandatory application to all residents

3.5M Residents of the State of Israel have received new biometric documentation

23K In average are joining every month

The AFIS

System compliant with Israeli law.

- Only biometrics data.
- Privacy by Design (PbD)
- A deletion module
- No external connections whatsoever (I/O)
 - In the future security forces will be able to do verification and identification. .
- The data in the system is classified as "Top Secret", and hence it incorporates the most advanced cyber sec. systems in the world.



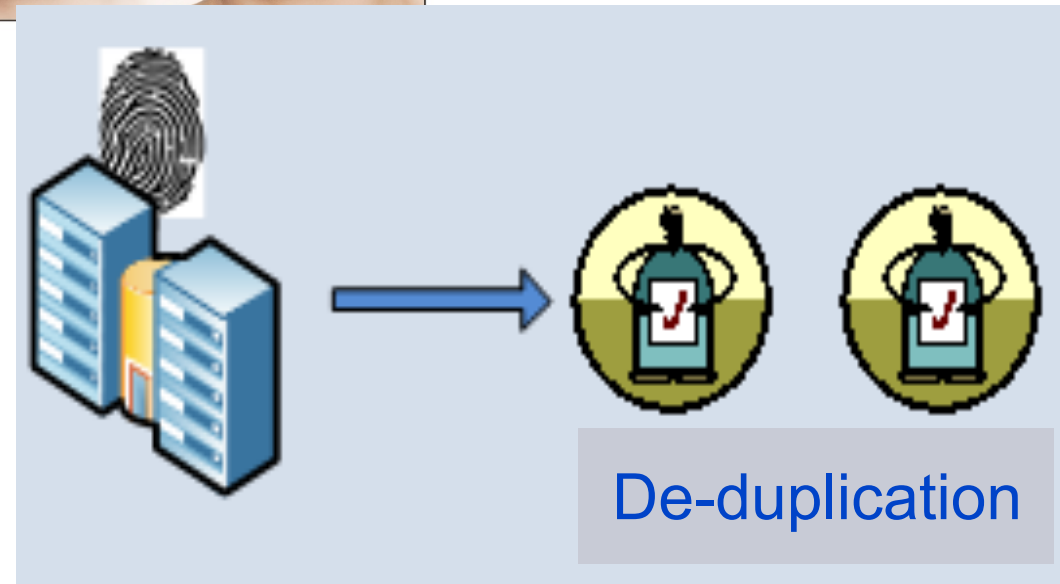
*** The data in the depiction is synthetic data only, and is not part of the biometric database**

The BDMA Challenges



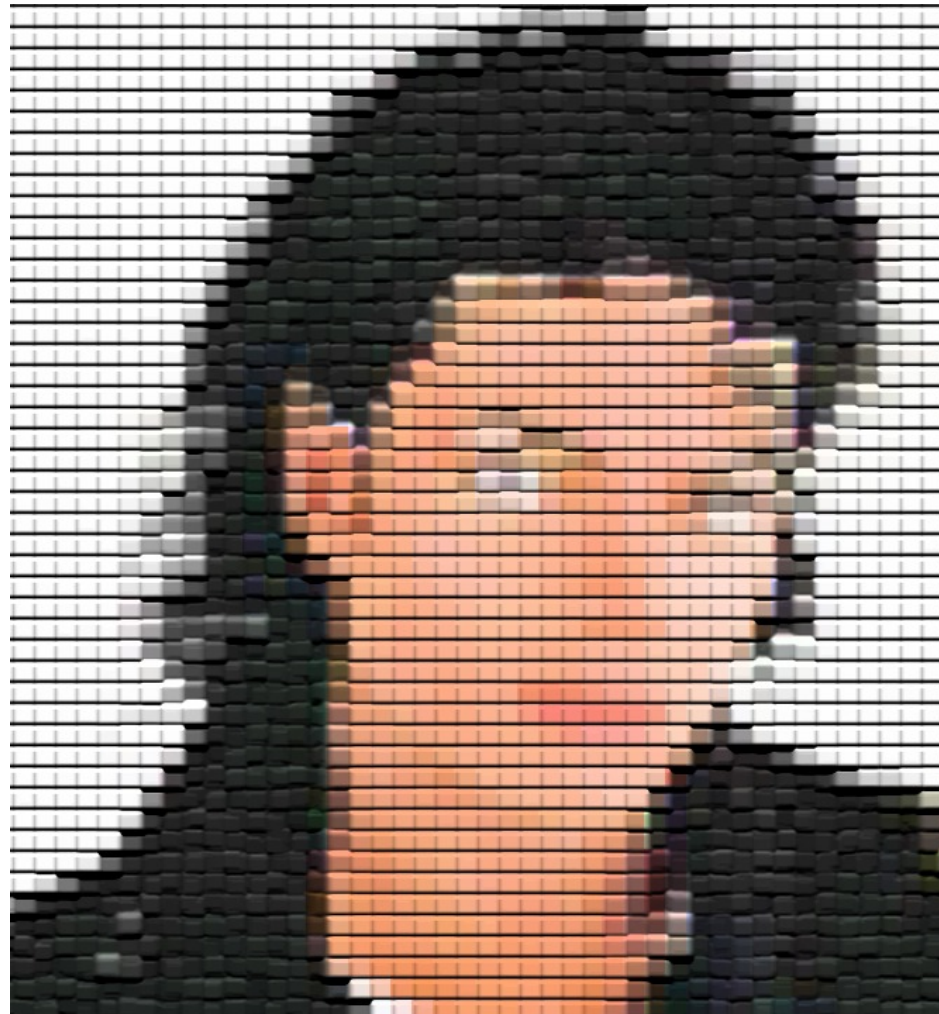
Could We Switch to Face only System ???

- 10M records.
- Aging of 10 years.
- Only Biometric Data
- The law (head cover



The Authority's challenges- The Human aspects

We are excellent at recognizing people that we know





רשות המאגר
הביומטרי הלאומי

The Authority's challenges



But how are we dealing with people we are not familiar with?

- Lambs
- head cover
- Make up
- Ageing

shutterstock



Thank you

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